Aniline, N-(p-methoxybenzylidene)-p-nitro-

Other names:	Benzenamine, N-((4-methoxyphenyl)methylene)-4-nitro- N-(p-Methoxybenzylidene)-p-nitroaniline 4-(4-Methoxybenzylideneamino)nitrobenzene N-[(4-Methoxyphenyl)methylidene]-4-nitroaniline p-Methoxybenzylidene-(4-nitrophenyl)-amine
Inchi:	InChI=1S/C14H12N2O3/c1-19-14-8-2-11(3-9-14)10-15-12-4-6-13(7-5-12)16(17)18/h2-10
InchiKey:	YZJSVLVRDFIMHX-UHFFFAOYSA-N
Formula:	C14H12N2O3
SMILES:	COc1ccc(C=Nc2ccc([N+](=O)[O-])cc2)cc1
Mol. weight [g/mol]:	256.26
CAS:	15450-66-5

Physical Properties

Property code	Value	Unit	Source
hf	57.07	kJ/mol	Joback Method
hvap	74.95	kJ/mol	Joback Method
log10ws	-4.11		Crippen Method
logp	3.354		Crippen Method
mcvol	189.570	ml/mol	McGowan Method
pc	2402.92	kPa	Joback Method
rinpol	2542.00		NIST Webbook
rinpol	2542.00		NIST Webbook
tb	833.98	K	Joback Method
tc	1103.23	K	Joback Method

Sources

Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C15450665&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

hf:	Enthalpy of formation at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature